DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas H. Jackson on July 28, 2008.

The application has been amended as follows:

Claims 2, 15 and 18, as amended, reads:

2. A light-transmitting module, comprising:

a stack of a metallic block, an insulating heat sink mounted on said metallic block and an electrically conductive layer formed on said insulating heat sink, said stack forming a parallel- plate capacitor with capacitance;

a laser diode having an anode and a cathode, said laser diode being mounted on said conductive layer such that said anode faces and is in contact with said conductive layer, said laser diode being driven by a

driver signal provided by said cathode and being biased in said anode through said conductive layer and a bonding wire with inductance, said bonding wire being connected with said conductive layer; and

a driver for providing said driver signal to said cathode of said laser diode, said driver being directly mounted on a metallic block,

wherein a said capacitance of said parallel-plate capacitor is at least 50 pF such that a critical frequency formed by said parallel-plate capacitor and said inductance of said bonding wire exceeds 10 GHz.

15. A light-transmitting module, comprising:

a stack of an electrically conductive heat sink, an insulating layer provided on said heat sink and an electrically conductive layer, said stack forming a parallel-plate capacitor with capacitance;

a laser diode having an anode and a cathode, said laser diode being mounted on said electrically conductive layer such that said anode faces and is in contact with said conductive layer, said laser diode being driven by a driver signal provided by said cathode and being biased in said anode through said conductive layer and a bonding wire with inductance, said bonding wire being connected with said conductive layer; and

a driver for providing said driver signal to said cathode of said laser diode, said driver being directly mounted on a metallic block,

wherein a said capacitance of said parallel-plate capacitor is at least 50 pF such that a critical frequency formed by said parallel-plate capacitor and said inductance of said bonding wire exceeds 10 GHz.

18. A light-transmitting module, comprising:

a stack of an electrically conductive heat sink, an insulating layer provided on said heat sink and an electrically conductive layer, said stack forming a parallel-plate capacitor with capacitance;

a laser diode having an anode and a cathode, said laser diode being mounted on said electrically conductive layer such that said anode faces and is in contact with said conductive layer, said laser diode being driven by a driver signal provided by said cathode and being biased in said anode through said electrically conductive layer and a bonding wire with inductance, said bonding wire being connected with said electrically conductive layer;

an electrically conductive and grounded block for mounting said stack; and

a driver for providing said driver signal to said cathode of said laser diode, said driver being directly mounted on said electrically conductive block,

wherein said capacitance of said parallel-plate capacitor is at least 50 pF such that a critical frequency formed by said parallel-plate capacitor and said inductance of said bonding wire exceeds 10 GHz.

Allowable Subject Matter

Claims 2 – 4, 8 – 13, 15 and 18 are allowed.

The following is an examiner's statement of reasons for allowance: Claims 2 and 15 recites a light transmitting module including a *driver for providing said driver signal to said cathode of said laser diode, said driver being* ***directly*** *mounted on a metallic block*, which is neither anticipated or disclosed nor suggested in any piece of available prior art, which is neither anticipated nor obvious over the prior art of record.

Claim 18 recites a light transmitting module including a driver for providing said driver signal to said cathode of said laser diode, said *driver being* ***directly*** *mounted on said electrically conductive block*, which is neither anticipated or disclosed nor suggested in any piece of available prior art, which is neither anticipated nor obvious over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Delma R. Fordé whose telephone number is (571) 272-1940. The examiner can normally be reached on M - T.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Min Sun Harvey can be reached on (571) -272-1835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Delma R. Fordé/
Examiner, Art Unit 2828

/Minsun Harvey/

Supervisory Patent Examiner, Art Unit 2828